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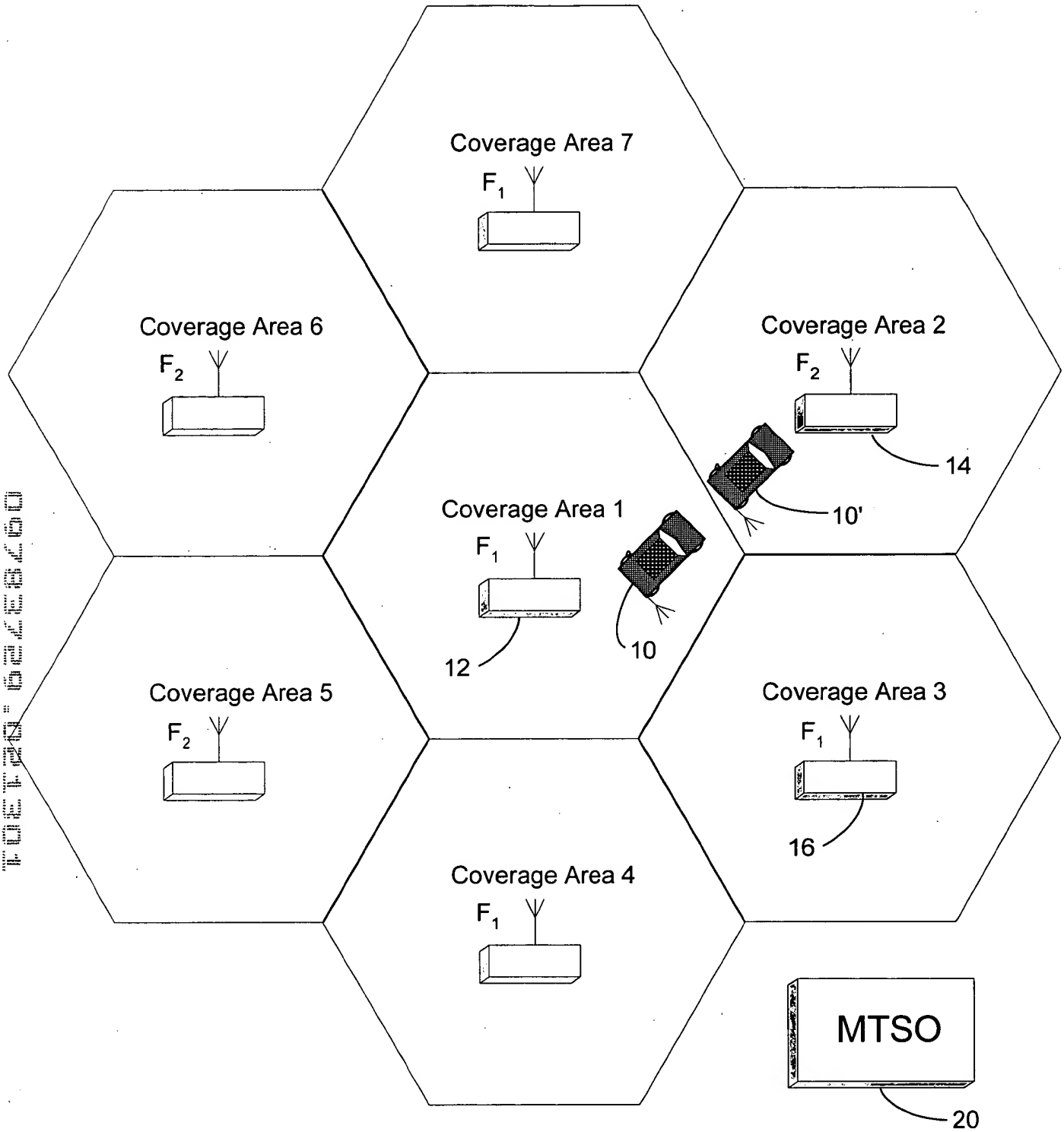

Service Area

FIGURE 1

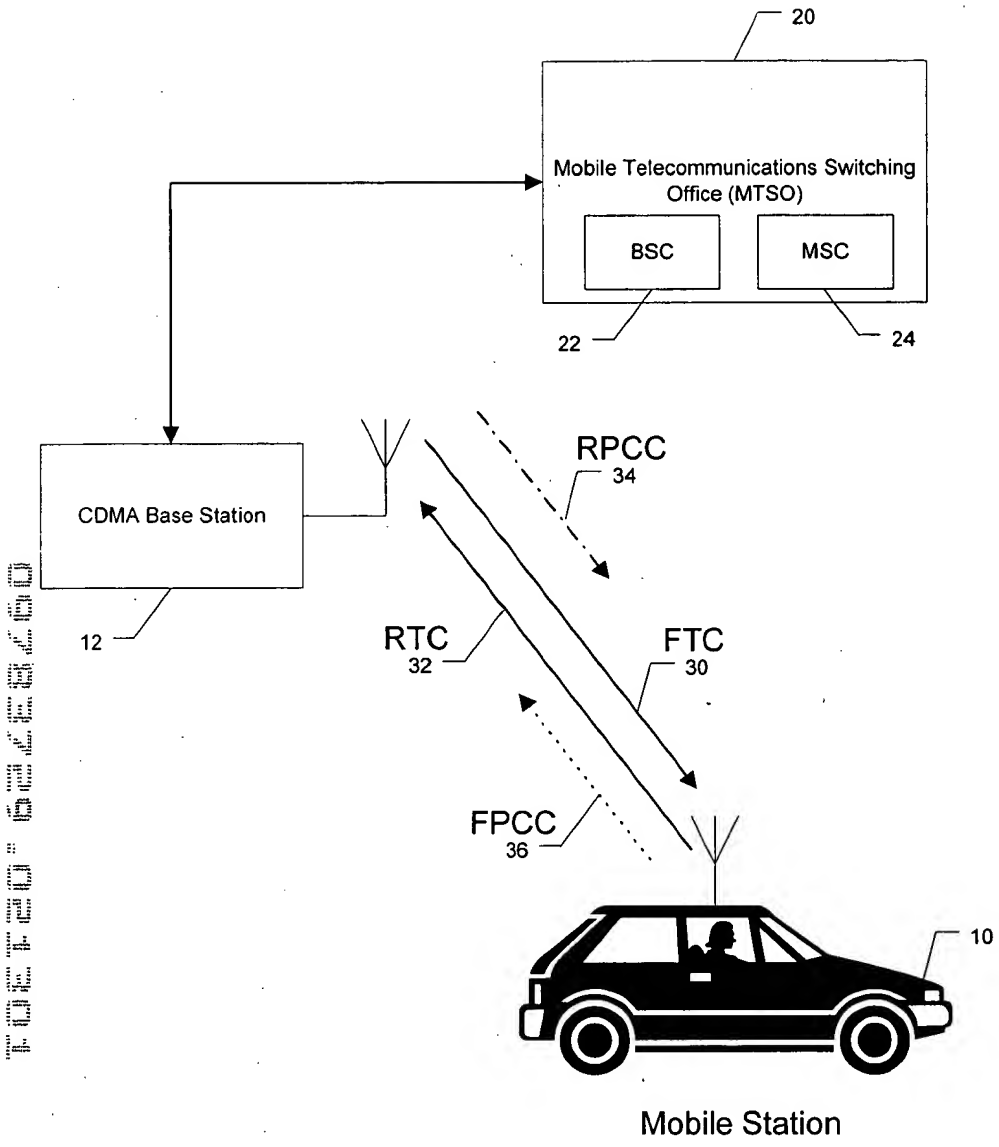
20
Mobile Telecommunications Switching Office (MTSO)
BSC
MSC
22
24
CDMA Base Station
12
RPCC
34
RTC
32
FTC
30
FPCC
36
10
Mobile Station

FIGURE 2

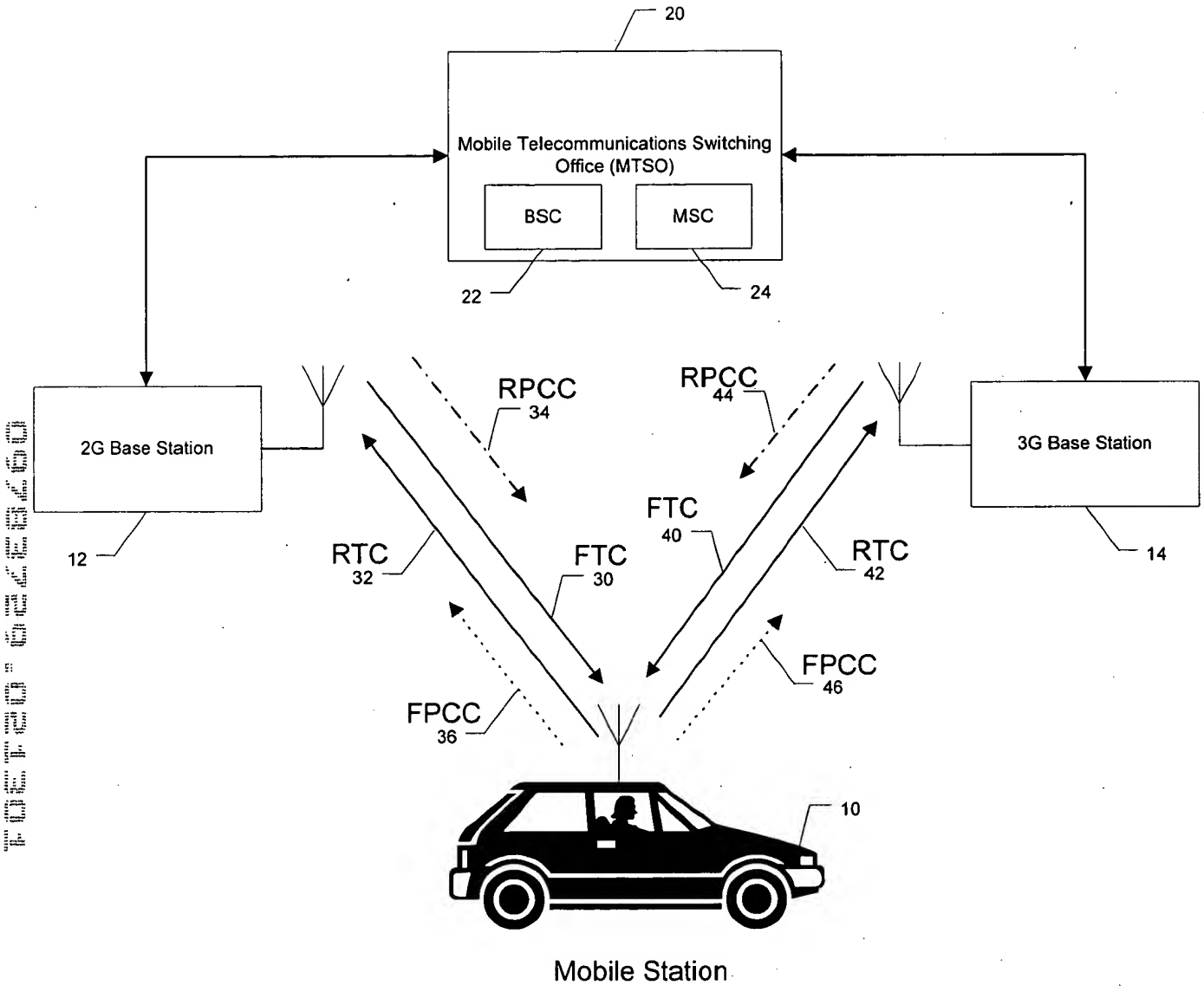
20
Mobile Telecommunications Switching Office (MTSO)
BSC
MSC
22
24
2G Base Station
12
3G Base Station
14
RPCC
34
RPCC
44
FTC
40
RTC
32
FTC
30
RTC
42
FPCC
46
FPCC
36
10
Mobile Station

FIGURE 3

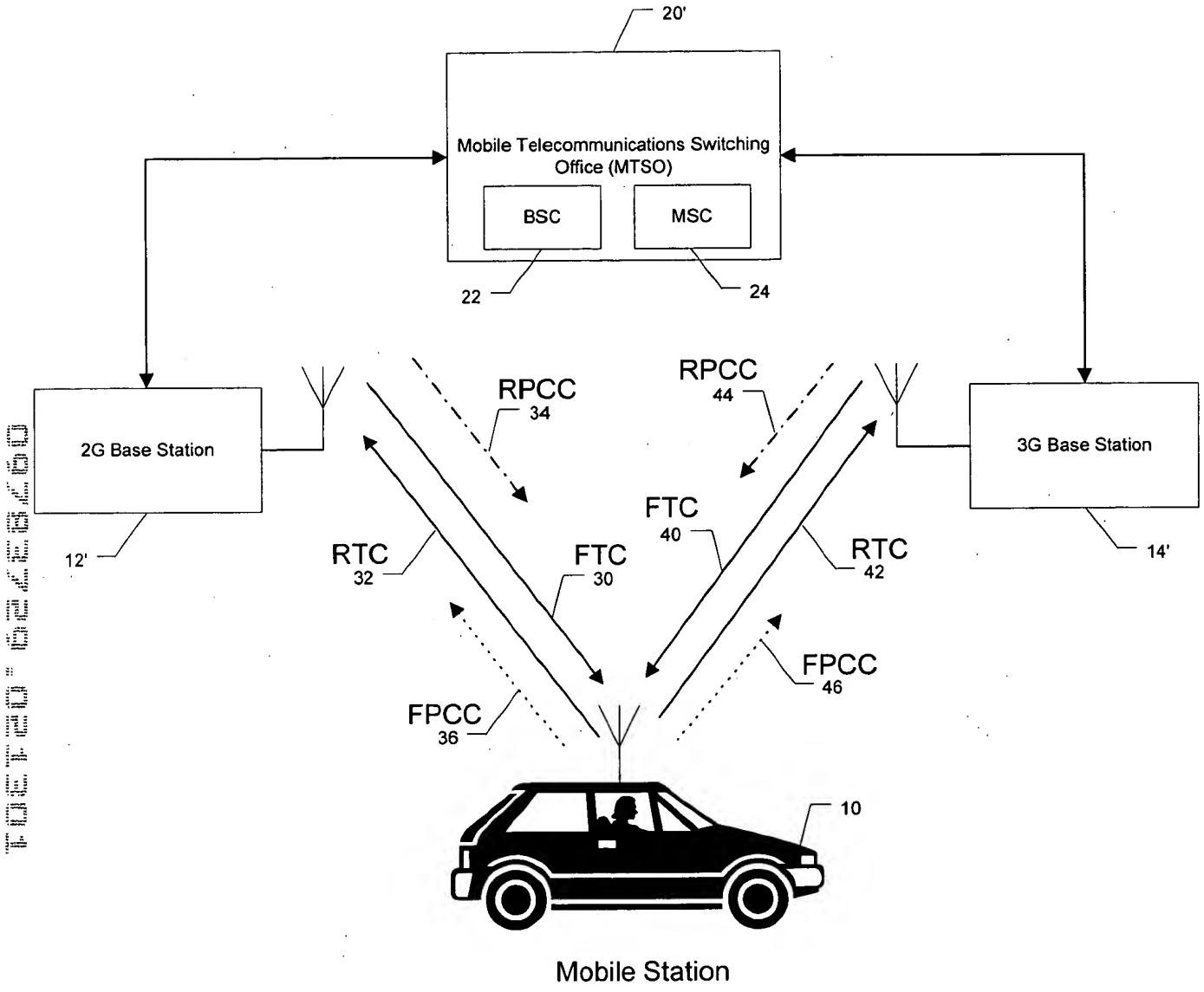
20'
Mobile Telecommunications Switching Office (MTSO)
BSC
MSC
22
24
2G Base Station
12'
3G Base Station
14'
RPCC
34
RPCC
44
FTC
40
RTC
32
FTC
30
RTC
42
FPCC
46
FPCC
36
10
Mobile Station

FIGURE 4

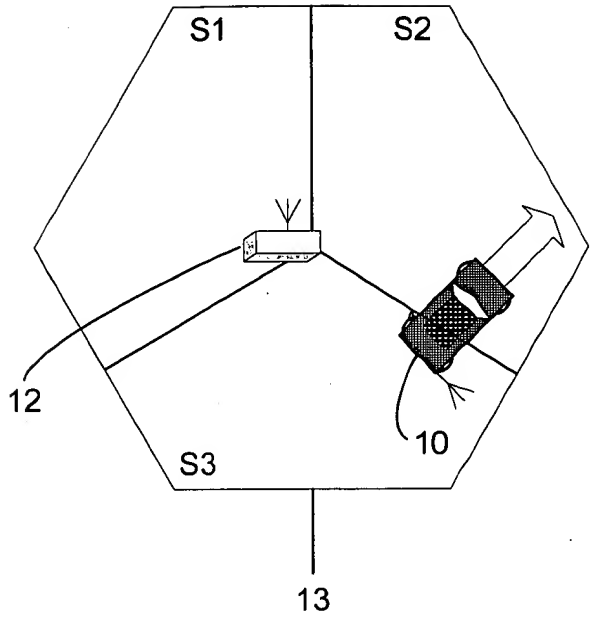

FIGURE 5a

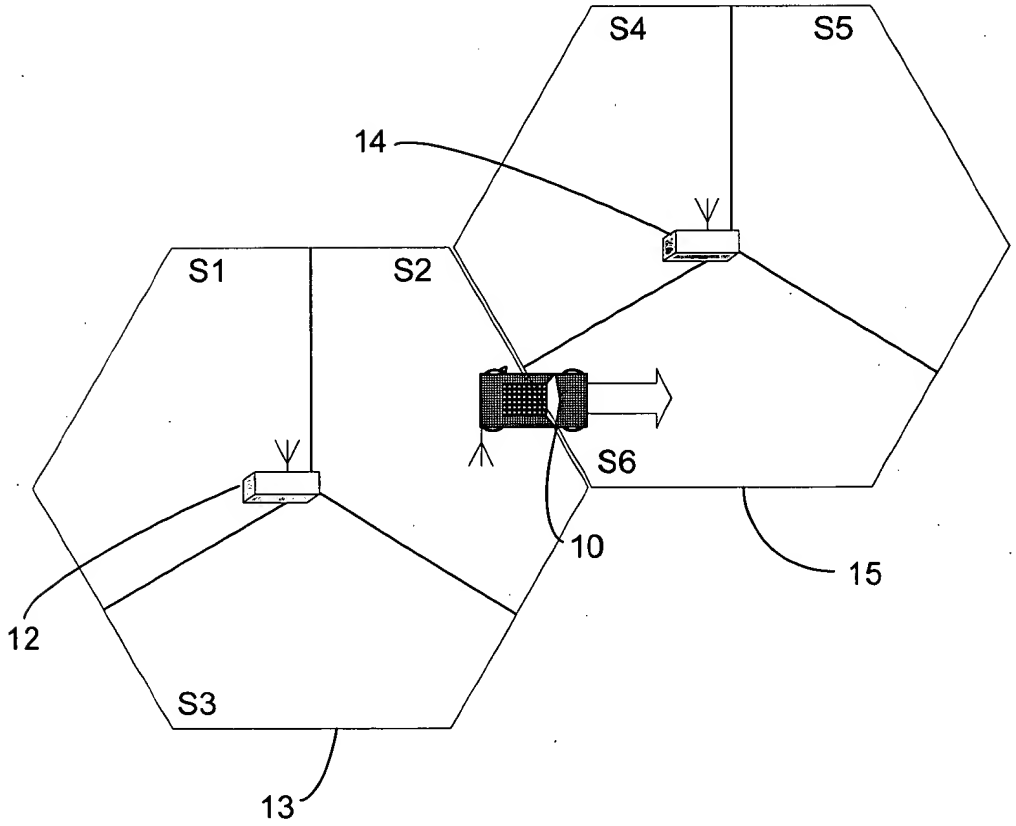

FIGURE 5b

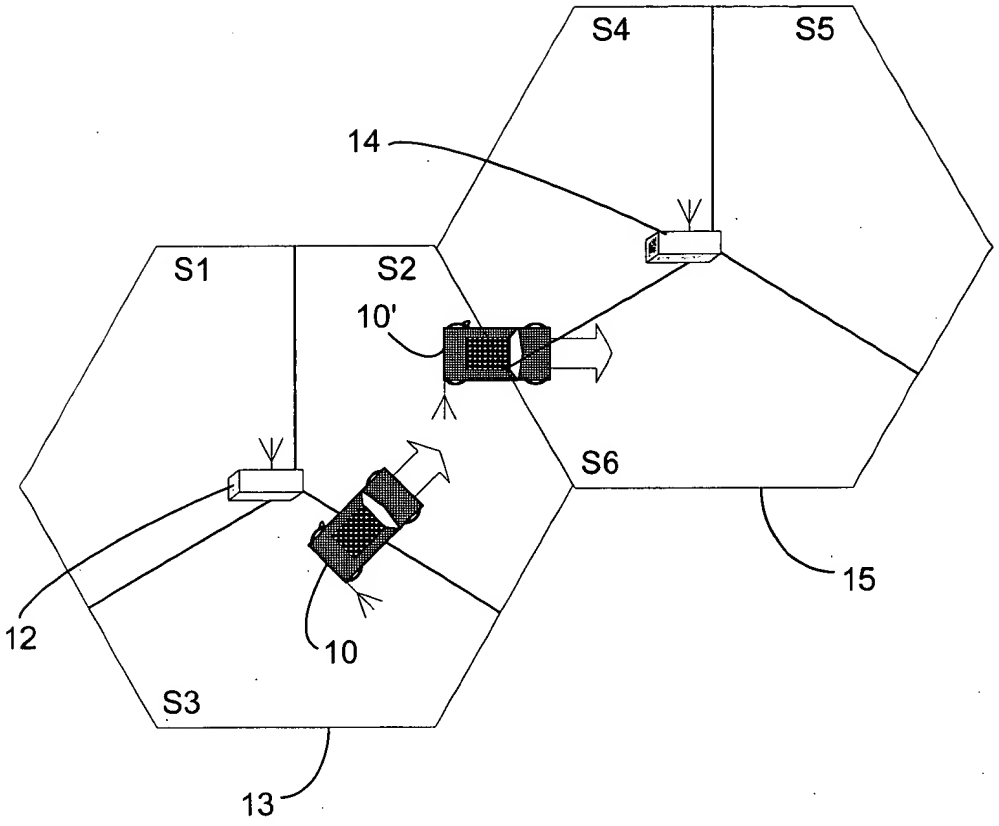

FIGURE 5c

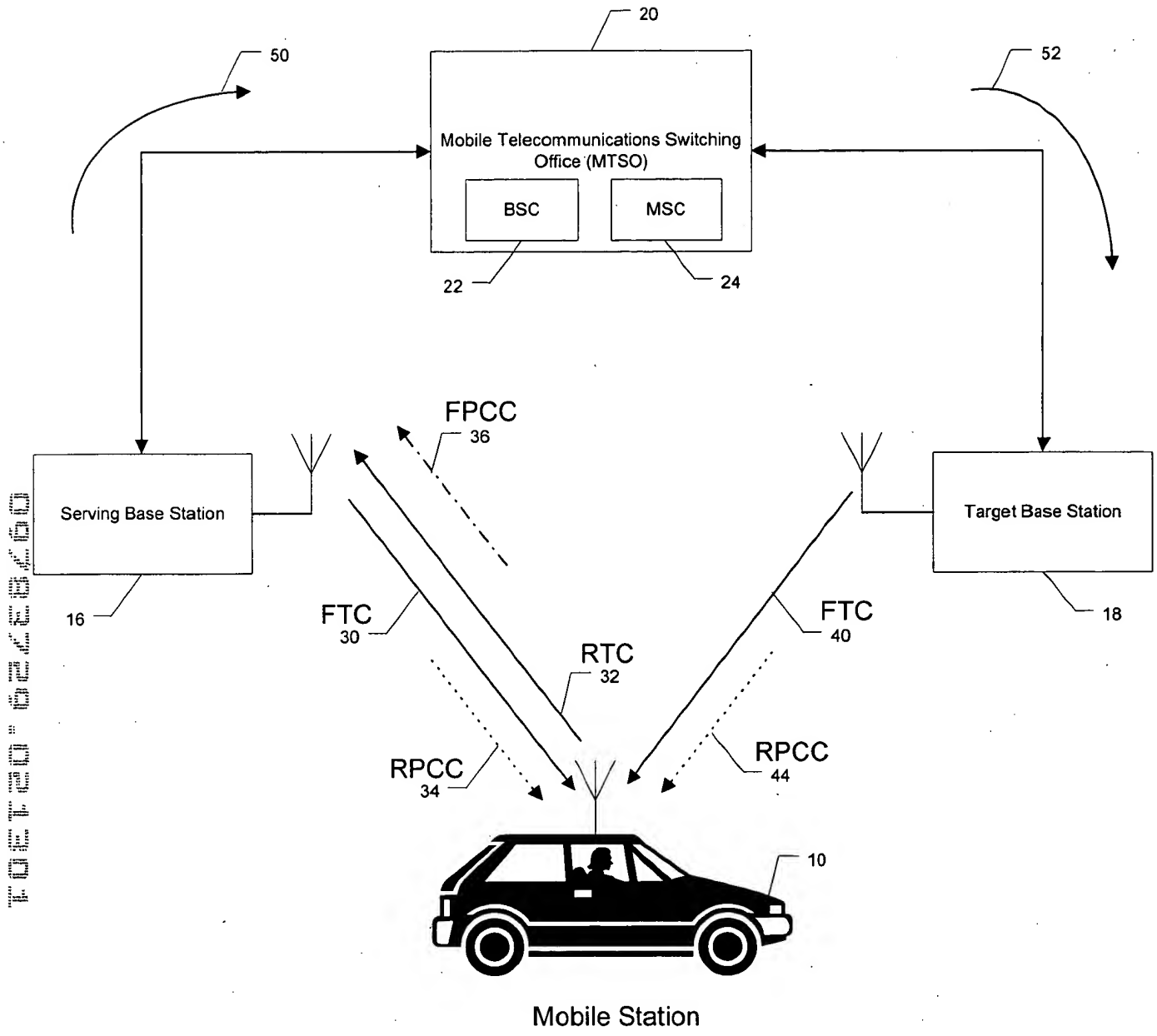
20
50
52
Mobile Telecommunications Switching Office (MTSO)
BSC
MSC
22
24
FPCC
36
Serving Base Station
Target Base Station
16
18
FTC
30
FTC
40
RTC
32
RPCC
34
RPCC
44
10
Mobile Station

FIGURE 6

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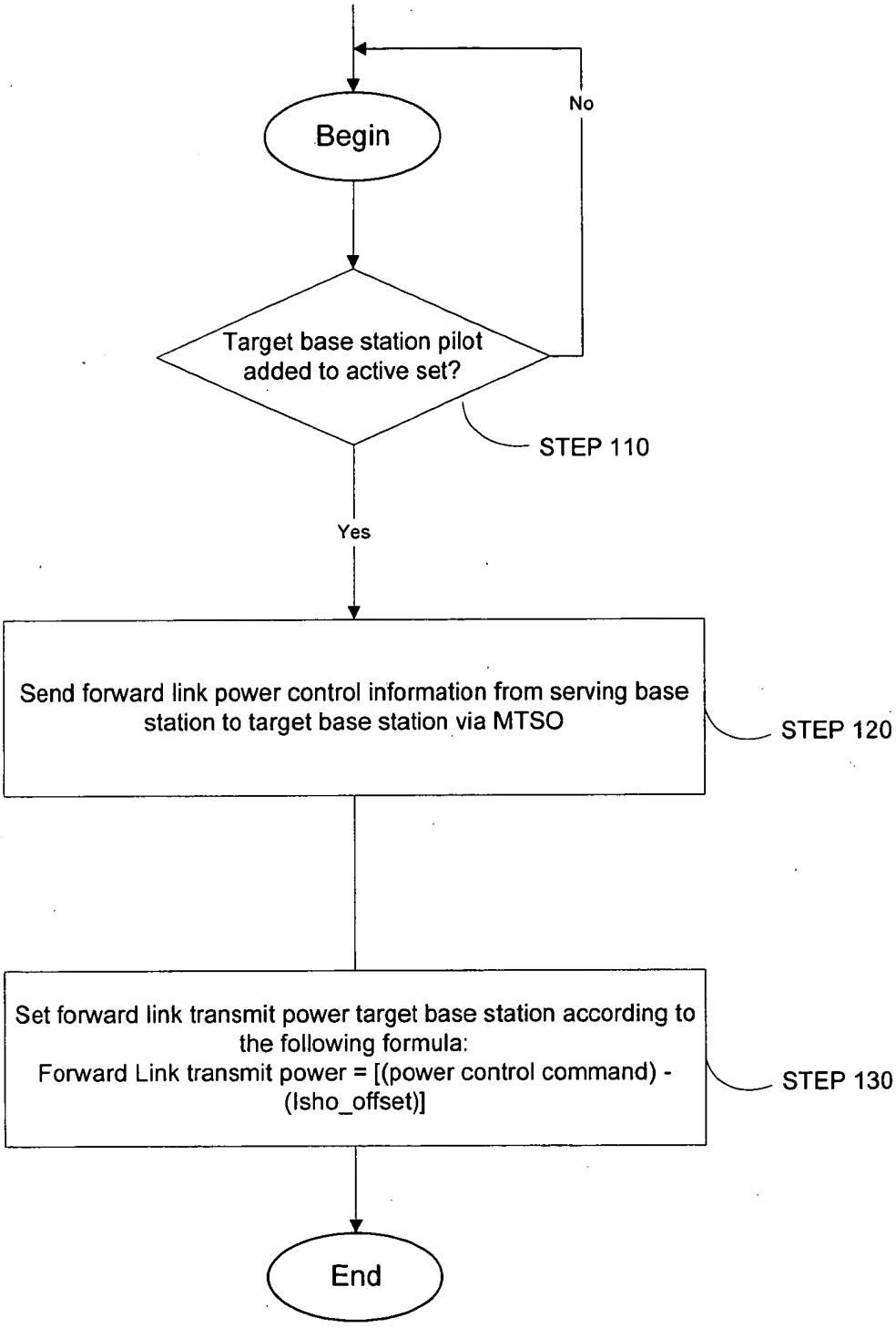

100

FIGURE 7

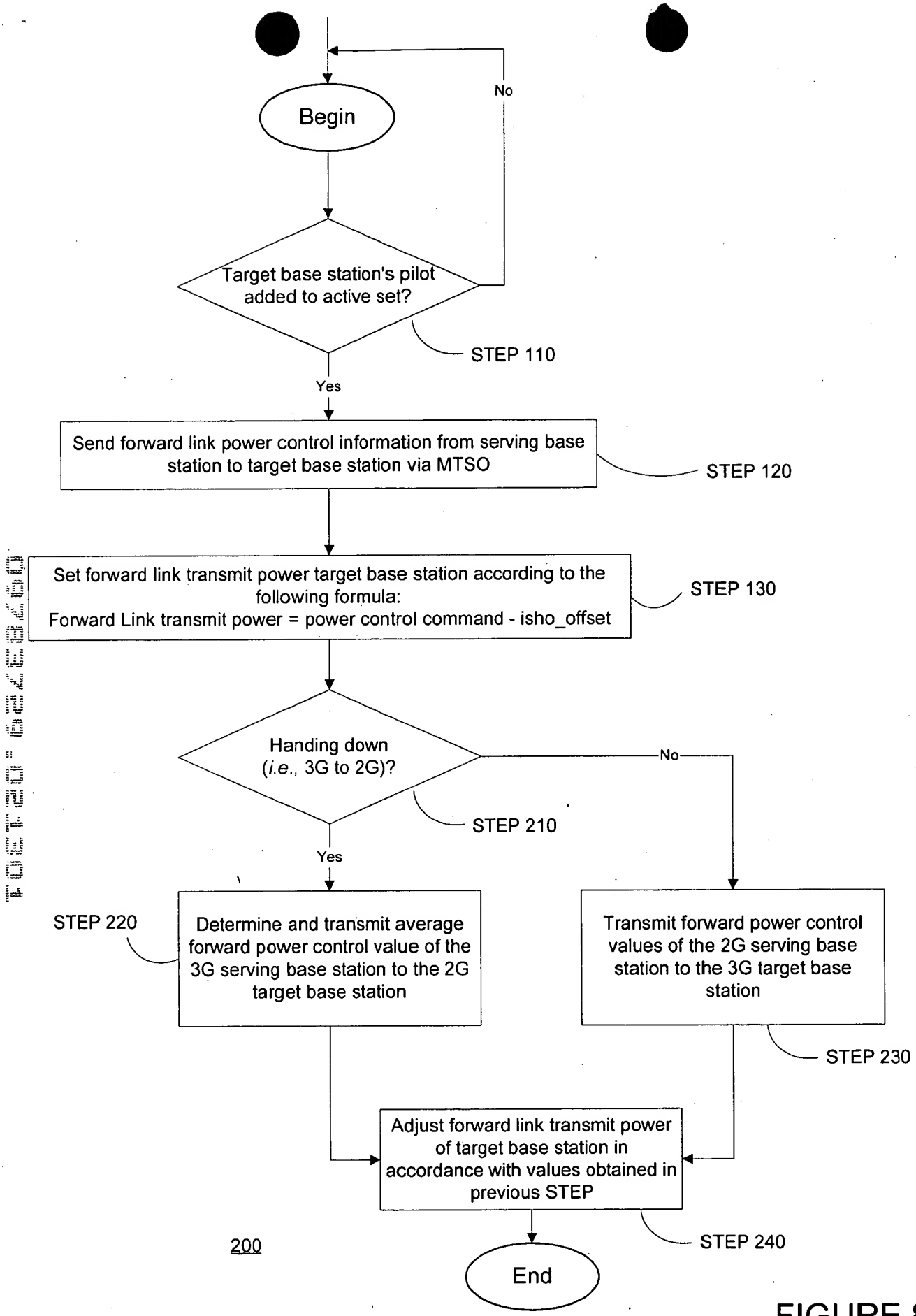
Begin
No
Target base station's pilot added to active set?
STEP 110
Yes
Send forward link power control information from serving base station to target base station via MTSO
STEP 120
Set forward link transmit power target base station according to the following formula:
Forward Link transmit power = power control command - isho_offset
STEP 130
Handing down (i.e., 3G to 2G)?
No
STEP 210
Yes
STEP 220
Determine and transmit average forward power control value of the 3G serving base station to the 2G target base station
Transmit forward power control values of the 2G serving base station to the 3G target base station
STEP 230
Adjust forward link transmit power of target base station in accordance with values obtained in previous STEP
STEP 240
200
End

FIGURE 8

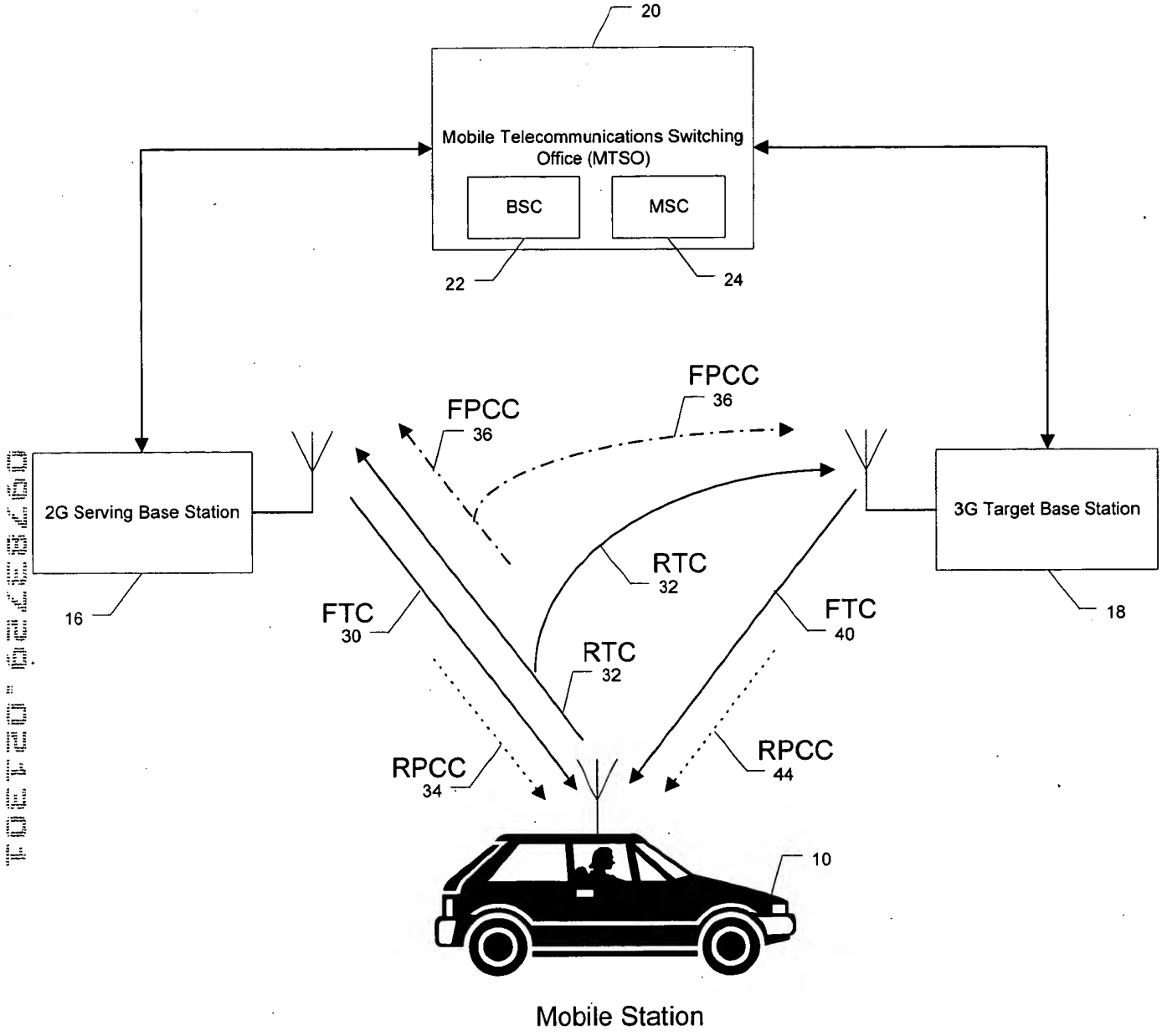
20
Mobile Telecommunications Switching Office (MTSO)
BSC
MSC
22
24
FPCC
36
FPCC
36
2G Serving Base Station
3G Target Base Station
16
18
RTC
32
FTC
30
FTC
40
RTC
32
RPCC
34
RPCC
44
10
Mobile Station

FIGURE 9